



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/924,668	08/08/2001	Joseph F. Wenzl	210163	3665

23460 7590 01/25/2005

LEYDIG VOIT & MAYER, LTD
TWO PRUDENTIAL PLAZA, SUITE 4900
180 NORTH STETSON AVENUE
CHICAGO, IL 60601-6780

EXAMINER

REDMAN, JERRY E

ART UNIT PAPER NUMBER

3634

DATE MAILED: 01/25/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/924,668

Applicant(s)

WENZL ET AL.

Examiner

Jerry Redman

Art Unit

3634

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 18 November 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-4,6,7,9-11 and 16-22 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 16,18 and 20-22 is/are allowed.
- 6) ☒ Claim(s) 1-4,6,7,9-11,17 and 19 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

Claim summary is as follows:

Cancelled: 5, 8, and 12-15

Claims addressed below: 1-4, 6, 7, 9-11, and 16-22.

Claim 9 is objected to because the phraseology "banana-shaped link" is not readily understood by the Examiner.

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1-4, 6, and 7 are rejected under 35 U.S.C. 102(e) as being anticipated by Nelson. Nelson discloses a security gate assembly comprising an elongated gate arm (1) of sufficient length to impede passage of a conventional vehicle along a defined pathway of travel, a DC motor (25) having an output of torque upon receipt of pulses (see abstract), a linkage mechanism (2) attached to one end of the gate arm (1) and to the DC output thereby causing rotation of the gate arm (1), and an adaptive control circuit (column 3, lines 35-46) that provides a plurality of pulses for different operating conditions (i.e., up and down) wherein the adaptive control circuit further having a signal based on the position of the gate arm (column 3, lines 14-20) and utilizing sensors

(column 3, lines 14-20) and position sensors to determine the position therebetween up and down.

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 9-11, 17, and 19 are rejected under 35 U.S.C. 103(a) as being unpatentable over Nelson in view of Rumpz. All of the elements of the instant invention are discussed in detail above except providing a four bar linkage. Rumpz discloses a four bar linkage (26, 28, 54, and 56) which connects the gate arm (12) to a motor output (21). It would have been obvious to one of ordinary skill in the art at the time of the invention to provide the drive assembly of Nelson with a four bar linkage as taught by Rumpz since a four bar linkage provides greater rigidity between the motor output and the gate arm and enables longer gate arms to be used to extend greater distances across a pathway.

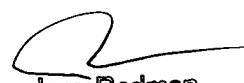
Claims 16, 18, and 20-22 are allowable.

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. U.S. patent to Burke discloses a gate arm assembly operated via a DC motor similar to that of the applicant's invention. European patent to Berner

Art Unit: 3634

discloses a DC motor operating a gate arm assembly similar to that of the applicant's invention.

Any inquiry concerning this communication should be directed to Jerry Redman at telephone number 703-308-2120.



Jerry Redman
Primary Examiner